EM Fact Sheet

Ogden Air Logistics Center
Environmental Management Directorate
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Air Quality

Purpose: This Fact Sheet provides information on air emissions at Hill AFB and outlines some of the compliance and air emission reduction programs that have been implemented by the Environmental Management Compliance (EMC) air quality team. The 1990 Federal Clean Air Amendments drive many of the air emission reduction practices at HAFB and the EMC air quality team has conducted training and initiated many new practices designed to assure compliance. Voluntary measures have also been put in place, which benefit the base and the surrounding community.

Mission: To continuously identify opportunities to reduce air emission impacts on human health and the environment and to assure compliance with all applicable federal, state, local and Air Force standards and regulations, while maintaining base operating flexibility and competitiveness.

Meet the Team: The EMC Air Quality Team and corresponding responsibilities are shown in Table 1.

Table 1 - The Air Quality Team

CONTACT	RESPONSIBILITIES
Steve Rasmussen 777-0359 Steve.Rasmussen@hill.af.mil	Air Quality Program Manager, Title V Permit, Budgeting
Glenn Palmer 775-6918 Glenn.Palmer@hill.af.mil	Permit Compliance, Emission Reduction Initiatives, Emission Inventory
Jeff Watkins 775-6910 Jeffrey.Watkins@hill.af.mil	Mobile Sources, UTTR Demilitarization Permits, Boiler Instrumentation
Art Olivas 775-6925 Art.Olivas@hill.af.mil	Air Quality Database Management, Compliance Training, Oversight Inspections
Walter Wilson 775-6902 Walter.Wilson@hill.af.mil	Stack Testing, Air Quality Credit Trading Program, Air CTP2

Program Highlights

Data Management: EMC's air quality data management program centers around the Air Permitting Information Management System (APIMS). APIMS warehouses data relevant to air quality compliance at HAFB. Specifically, APIMS includes the following:

- Data necessary to locate, by owner and/or building, all significant air emission sources
- Information to compile air emission inventories and generate permit language
- Details on emission control equipment
- Regulatory requirements for each emission source
- HAFB's internal inspection schedule for its emission sources
- Data necessary for analyzing emission trends, pollution prevention opportunities, and emission hot spots
- Data necessary to generate semi-annual reports for regulatory agencies

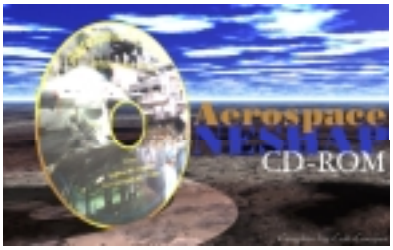
APIMS was developed as a visionary tool under the leadership of HAFB and interfaces electronically with the Command Core System. APIMS is in the process of being implemented throughout AFMC, as well as bases in ACC, PACAF and soon AETC. APIMS is currently being evaluated for Air Force wide implementation.

Hill's air quality compliance program previously developed electronic record keeping systems to automate permit record keeping and reporting processes. For example, the Solvent Application Management System (SAMS) provides an effective method of tracking paint and solvent usage at the industrial process site. Other electronic record keeping systems were created for emission source categories such as Jet Engine Test, Generators, Boilers, Plating Operations and Abrasive Cleaning. These systems have now been incorporated into APIMS.

Inspections: EMC conducts oversight inspections that promote air quality compliance. This process ensures that HAFB is operating within the conditions specified in its operating permit. Oversight inspections also assure that base organizations are following all procedures as outlined in the HAFB Air Quality Compliance Management Plan.

Air Quality Training

HAFB has developed courseware to satisfy state and federal requirements for air quality compliance training. Also, by thoroughly training operators of equipment that produces air emissions, HAFB effectively reduces the risk of costly non-compliant events. Two versions of a Clean Air Act general awareness videotape were produced, and these have been widely viewed at HAFB and have even been circulated to other DOD installations. In addition, a lively interactive CD-ROM was created to train hundreds of base workers on aerospace process-specific air quality monitoring and record keeping procedures. The CD-ROM also contains a resource library, designed for environmental personnel and shop supervisors. The latest push has been to put self-running courses on the base Intranet. This way, shop workers can conveniently receive their required training without the cost and inconvenience of attending scheduled classes.



Air Quality Facts & Figures

HAFB is located in an air shed that has exceeded EPA health standards for ozone several times in recent years, but there has been steady progress, and currently the county is in attainment of the new 1-hour standards. Ground level ozone is commonly referred to as smog, and it forms when sunlight reacts with Volatile Organic Compounds (VOCs) and Nitrogen Oxides (NOx). Figures 1 and 2 show major processes at HAFB and the how they contribute to VOC and NOx emissions. It is important that further progress is shown, or Davis County could fall back into non-attainment status, which in turn could have impacts on production at Hill AFB.

Fig 1 VOCs

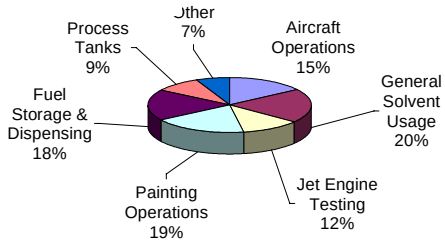
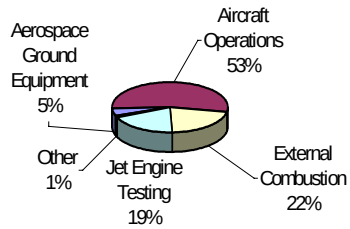


Fig 2 NOx



Operations at HAFB cause the release of hundreds of tons of pollutants into the atmosphere each year. Carbon Monoxide (CO), Sulfur Oxides (SOx), Particulate Matter (PM-10), NOx and VOCs are all considered criteria pollutants, which are strictly regulated by the Environmental Protection Agency. Figure 3 illustrates how the release of these pollutants at HAFB has decreased during the last 3 years. This is in large part due to tighter regulations and EMC emission reduction practices which have been recently put into place.